

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. Lease Designation and Serial No.

ML29087 and 31296

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

State

9. Well No.

1-16

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk.
and Survey or AreaSec 16, 39S, 21E, ~~SL PM~~ ~~SLBN~~

12. County or Parrish 13. State

San Juan, Utah

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil
Well ☒Gas
Well ☐

Other

Single
Zone ☐Multiple
Zone ☐

2. Name of Operator

CARBONIT EXPLORATION, INC. c/o K & A/Helton

3. Address of Operator

2200 Security Life Building, Denver, Colorado 80202

4. Location of Well (Report location clearly and in accordance with any State requirements.*)

At surface

1,980' FNL 1,980' FWL

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*

8 1/2 miles NW of Bluff, Utah

15. Distance from proposed*

location to nearest

property or lease line, ft.

(Also to nearest drlg. line, if any)

1,980'

16. No. of acres in lease

640

17. No. of acres assigned

to this well

80 (S 1/2 NW 1/4)

18. Distance from proposed location*
to nearest well, drilling, completed,
or applied for, on this lease, ft.

900'

19. Rotary or cable tools

Rotary

21. Elevations (Show whether DT, RT, CP, or other)

336' RT

22. Approx. date work will start*

October

23.

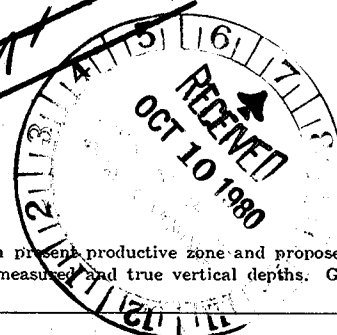
PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
14 3/4"	9 5/8"	36	500	To Surface
8 3/4"	7"	20 & 23	5,000	150sx
6 1/4"	4 1/2"	10.5	5,900 Liner	300 sx

Operator proposes to drill a Paradox test to a depth of 5,900' using fresh-water mud to clean the drill cuttings from the hole. Casing will be run, as shown above, except that if it is not necessary to run 7" as intermediate string, 7 1/2" casing will be run from surface to TD. Pressure control equipment will consist of 10" Series 900 double hydraulic ram BOP and 2" choke manifold.

CONFIDENTIAL

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING
DATE: 10/15/80
BY: [Signature]



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

[Signature]

Title

Asst. Oper. Mar.
K & A/Helton

Date Oct. 7, 1980

(This space for Federal or State office use)

Permit No.

Approval Date

Approved by

Title

Date

Conditions of approval, if any:

*See Instructions On Reverse Side

UDO&GC - O&G; CARBONIT - 1; File - 1

COMPANY CARBONIT EXPLORATION, INCORPORATED

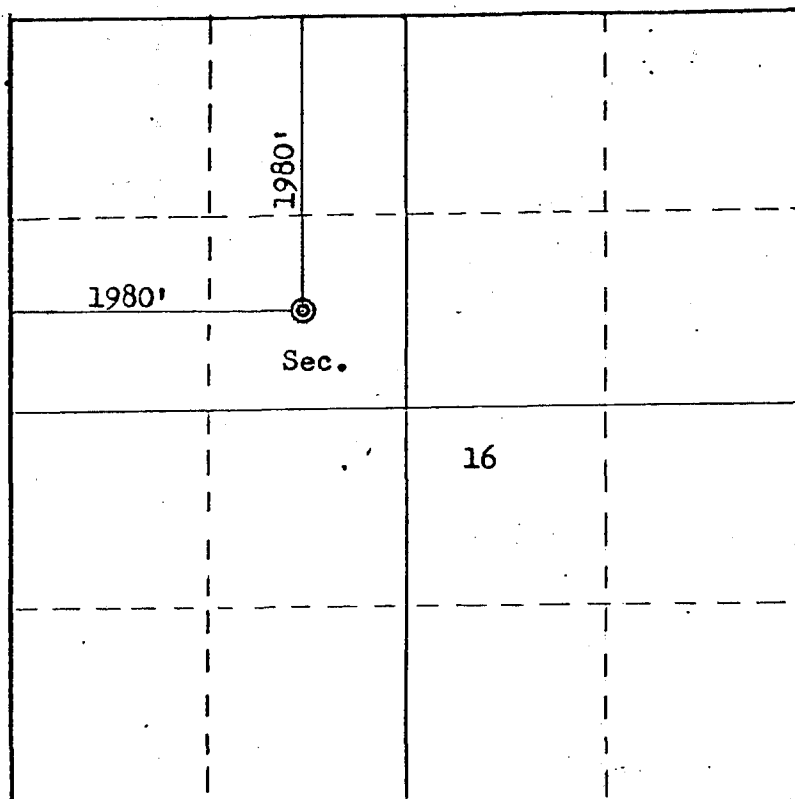
LEASE STATE 16 WELL NO. 1

SEC. 16, T 39S, R 21E

SAN JUAN COUNTY, UTAH

LOCATION 1980'FNL 1980'FWL

ELEVATION 4836 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Fred B. Kerr Jr.
Fred B. Kerr Jr.

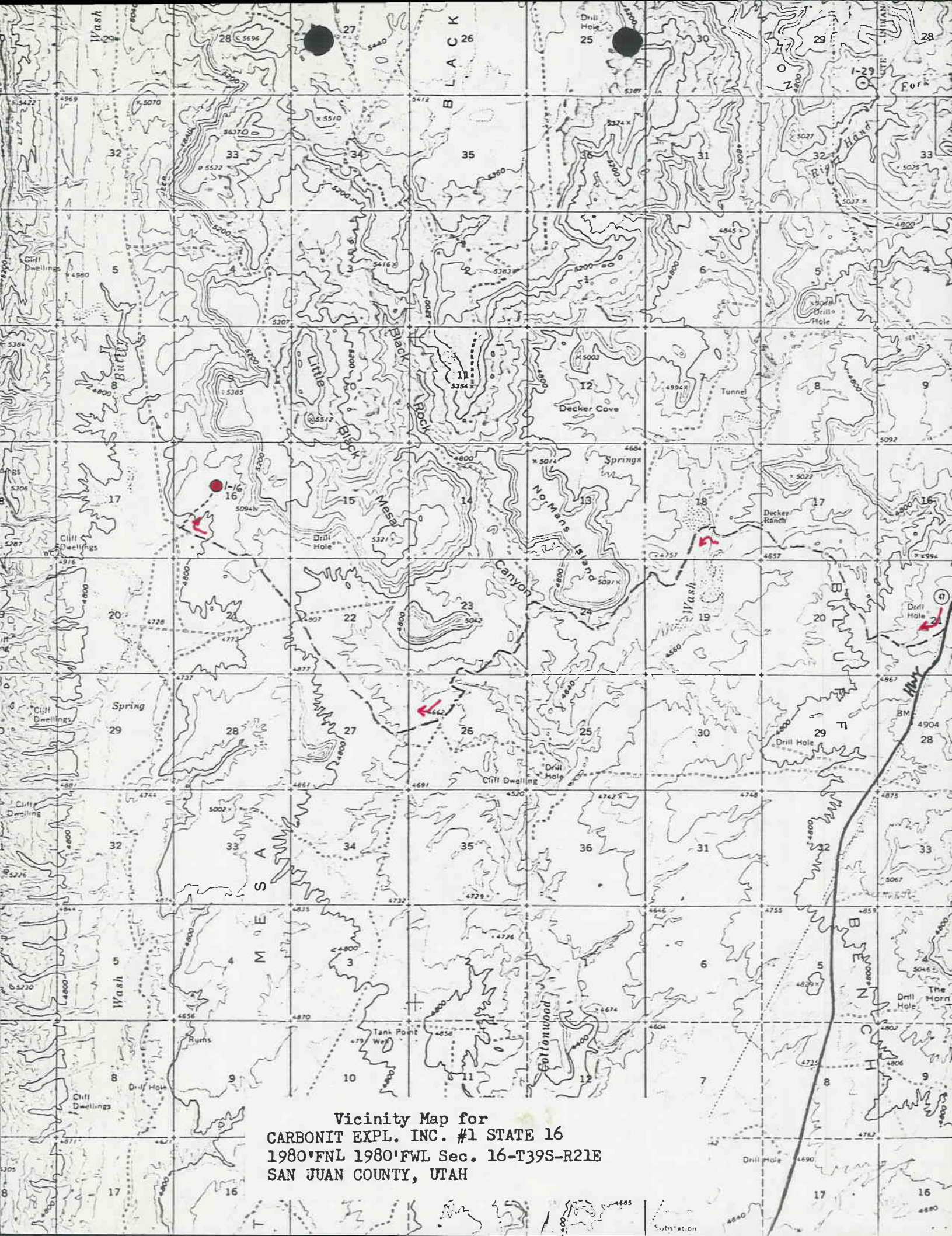
SEAL:

Registered Land Surveyor.

#3950

SURVEYED September 18 19 80

FARMINGTON, N. M.



Vicinity Map for
CARBONIT EXPL. INC. #1 STATE 16
1980'FNL 1980'FWL Sec. 16-T39S-R21E
SAN JUAN COUNTY, UTAH

CONFIDENTIAL

8257722

** FILE NOTATIONS **

DATE: 10-15-80

OPERATOR: Carbonit Exp., Inc. - C/O K & A Helton

WELL NO: State 1-16

Location: Sec. 116 T. 39S R. 21E County: San Juan

File Prepared: ☐

Entered on N.I.D: ☐

Card Indexed: ☐

Completion Sheet: ☐

API Number 43-037-30603

CHECKED BY:

Petroleum Engineer: _____

Director: OK under Rule C-3

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☒

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation St.

Plotted on Map ☒

Approval Letter Written ☒

Hot Line ☒

P.I. ☒

CONFIDENTIAL

October 17, 1980

Carbonit Exploration, Inc.
2200 Security Life Bldg.
Denver, Colorado 80202

Re: Well Nol State 1-16
Sec. 16, T. 39S, R. 21E
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30603.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight /ka
Cleon B. Feight
Director

/ka
cc: Donald Prince

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STATE OF UTAH
OIL & GAS CONSERVATION COMMISSIONSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML29087 and 31296
2. NAME OF OPERATOR Carbonit Exploration Inc. c/o K&A/Helton Eng. & Geol. Services		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1616 Glenarm, 2200 Security Life Bldg., Denver, CO 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FNL, 1980' FWL		8. FARM OR LEASE NAME State
14. PERMIT NO.		9. WELL NO. 1-16
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4836 GL		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, 39S, 21E, SLBM
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) spud and surface casing

☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Rigged up auger-type rig and spudded well at 1:00 p.m. December 31, 1980.
 Drilled to 40' TD and set 16" pipe at 40'. Cemented to surface with 3½ yards redi mix, 1/1/81.
 Rigged up cable tools on February 21, 1981 and spudded 12¼" hole at 7:00 p.m. Drilled to 245' TD on February 26, 1981.
 Moved out cable tools and moved on rotary tools. Commenced rotary drilling at 11:15 p.m. 3/1/81.
 Drilled 12¼" hole to 1175' and ran 35 joints, used 9 5/8" O.D., 36 lb. K-55 STC and LTC casing set at 1174' and cemented with 700 sx class B cement. 2% Ca Cl₂ and ¼ #/sx floeal.
 Bumped plug with 1,000 psi at 1:30 p.m. March 3, 1981. Cement circulated and float held.
 W.O.C. 8 hours.

RECEIVED
MAR 26 1981DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

*E. Hardy*K & A/Helton
TITLE Asst. Operations Manager

DATE

3/16/81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UDOGC - OT Carbonit - 1, file - 1

*See Instructions on Reverse Side

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Carbonite Richard Urie 801-678-2278 Rm. 136

WELL NAME: State 1-16

SECTION 16 TOWNSHIP 39S RANGE 21E COUNTY San Juan

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 5753'

CASING PROGRAM:

16" @ 35'
9 5/8" @ 1174' circ. surface
8 3/4" openhole 5025'
7 7/8" openhole TD

FORMATION TOPS:

Navajo- 930'
Kayenta- 1470'
Chinle- 2015'
No Cutler
Hermosa- 4512'
U. Usmay- 5400'
L. Ismay- 5480'
Desert Creek-5630'
Akah- 5700'

PLUGS SET AS FOLLOWS:

- 1) 5753-5400'
- 2) 4550-4450'
- 3) 2050-1950'
- 4) 1250-1150'
- 5) 50'-surface'

DST:

- 1) 5628-83' recovered (90' mud)

Cores:

5517-53', 5627-83', 5683-5713', SS0 all core

Place 9.2#, 46 vis. fresh water gel based abandonment mud between plugs; erect regulat dryhole marker; clean up and restore site; notify Division when prepared for inspection

DATE 4-6-81 SIGNED MTM

cc: Carbonate

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> P&A		5. LEASE DESIGNATION AND SERIAL NO. ML29087 and 31296
2. NAME OF OPERATOR CARBONIT EXPLORATION, INC., c/o K&A/Helton		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 2200 Security Life Building, Denver, Colorado 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1,980' FNL, 1,980' FWL		8. FARM OR LEASE NAME State 16
14. PERMIT NO. API# 43-037-30603		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4,836' GL		10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Section 16-T39S-R21E SLPM		12. COUNTY OR PARISH San Juan
		13. STATE Utah

CONFIDENTIAL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Telephone approval obtained from Mr. M. Mender by Mr. R. Urie - April 6, 1981.

Planned plugging, as approved:

PLUG #	INTERVAL	SACKS
1	5,400' - 5,753'	100
2	4,450' - 4,550'	37
3	1,950' - 2,050'	35
4	1,150' - 1,250'	35
5	0 - 50'	20

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5-1-81

BY: M. J. Mender

RECEIVED
CONFIDENTIAL

APR 22 1981

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED <i>[Signature]</i>	Asst. Oper. Mgr. TITLE K&A/Helton	DATE April 20, 1981
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(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

6

STATE OF UTAH

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other P&A

2. NAME OF OPERATOR

CARBONIT EXPLORATION, INC.,

3. ADDRESS OF OPERATOR

23 Inverness Way East, Englewood, Colorado 80112

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1,980' FNL, 1,980' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

API#43-037-30603

10-15-80

5. LEASE DESIGNATION AND SERIAL NO.

ML29087 & 31296

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

State 16

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 16-T39S-R21E, SLPM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DATE SPUDDED

2-21-81

16. DATE T.D. REACHED

4-6-81

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4,836' GL 4,553' KB

19. ELEV. CASINGHEAD

4,836'

20. TOTAL DEPTH, MD & TVD

5,753'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

245-5,753'

0-245'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DILS/CNL/EDC/BHC-Sonic

27. WAS WELL CORED

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36	1,174'	12 1/4"	700 sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.*

PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

P&A

DATE OF TEST

HOURS TESTED

CHOKE SIZE

PROD'N. FOR TEST PERIOD

OIL—BBL.

GAS—MCF.

WATER—BBL.

GAS—OIL RATIO

FLOW. TUBING PRESS.

CASING PRESSURE

CALCULATED 24-HOUR RATE

OIL—BBL.

GAS—MCF.

WATER—BBL.

OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY
DIVISION OF
OIL, GAS & MINING

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Asst. Oper. Mgr.

SIGNED

TITLE K&A/Helton

DATE May 1, 1981

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ismay	5,533'	5,553'	DST #1 5,628 - 5,683 IHP 2,839 IF 27 - 41 ISIP 162 FF 41 - 68 FSIP 351 FHP 2,703 90' mud recovered	Upper Ismay	5,398'	
Desert Creek	5,627'	5,713'	PLUGGED AND ABANDONED INTERVAL 5,400-5,753' 4,450-4,550' 1,950-2,050' 1,150-1,250' 0- 50'	Lower Ismay Hermosa Desert Creek Akah	5,491' 5,515' 5,603' 5,732'	